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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/737,333

12/16/2003

Stephen P. Goldschmidt

9501-73714

7566

23643 7590 01/29/2007
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EXAMINER

TRAN, BINH Q

ART UNIT

PAPER NUMBER

3748

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
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3 MONTHS

01/29/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/737,333

Applicant(s)

GOLDSCHMIDT ET AL.

Examiner

BINH Q. TRAN

Art Unit

3748

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 November 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7,9,11-16 and 18-51 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-7,9,11-16 and 18-48 is/are allowed.
- 6) ☒ Claim(s) 49 and 51 is/are rejected.
- 7) ☒ Claim(s) 50 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

This office action is in response to the amendment filed November 08, 2006.

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 49 and 51 are rejected under 35 U.S.C. 103(a) as being unpatentable over Caren et al. (Caren) (Patent Number 6,321,531) in view of Hedstrom (Patent Number 4,387,529).

Regarding claims 49 and 51, Caren discloses a circuit for providing a potential difference across a gap between two electrodes of a utilization device (e.g. 30, 40, 50, 70, 80, 100, 110, 130, 170, 1020), the circuit including a power source (e.g. 1000), a transformer (e.g. 1022) including a primary winding (e.g. 1034) and a secondary winding (e.g. 1036) for coupling across the electrodes (e.g. 101, 102, 174, 176), the power source coupled to the primary winding, a first switch coupled to one of the two terminals of the primary winding, and a second switch coupled to the other of the two terminals of the primary winding (e.g. 1032) (e.g. See col. 32, lines 24-67; cols. 33-35, lines 1-67; col. 36, lines 1-53). However, Caren fails to disclose the secondary winding having a universal winding configuration.

Hedstrom teaches that it is conventional in the art, to use a transformer including a secondary winding (X1-X5) having a universal winding configuration (e.g. See col. 7, lines 27-48).

It would have been obvious to one having ordinary skill in the art at the time the invention was made, to use a transformer including a secondary winding having a universal winding configuration of Caren, as taught by Hedstrom for the purpose of reducing intra-winding capacitance and electric field, so as to further improve the performance and the efficiency of the transformer.

Response to Arguments

Applicant's arguments filed November 08, 2006 have been fully considered but they are not completely persuasive. *Claims 1-7, 9, 11-16, and 18-51 are pending.*

Applicant's arguments with respect to claims 1-7, 9, 11-16, and 18-51 have been considered but are moot in view of the new ground(s) of rejection as discussed above.

Applicants have argued that both Caren and Hedstrom do not teach or suggest Applicants's claimed invention. More specifically, Applicants assert that the reference to Caren and Hedstrom fail to disclose "*the secondary winding having wound in sections*". In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies (i.e., "*the secondary winding having wound in sections*") **are not recited in the rejected claim(s)**. Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

Allowable Subject Matter

Applicant's arguments, see Page 11, lines 9-21; Pages 12-13, lines 1-25, filed November 08, 2006, with respect to Claims 1, and 25 have been fully considered and are persuasive. Accordingly, the Office Action mailed on August 08, 2006 has been withdrawn.

Claims 1-7, 9, 11-16, and 18-48 are allowed.

Claims 50 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Since allowable subject matter has been indicated, applicant is encouraged to submit **Final Formal Drawings (If Needed)** in response to this Office action. The early submission of formal drawings will permit the Office to review the drawings for acceptability and to resolve any informalities remaining therein before the application is passed to issue. This will avoid possible delays in the issue process.

Art Unit: 3748

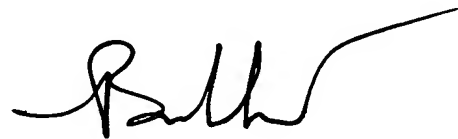
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Binh Tran whose telephone number is (571) 272-4865. The examiner can normally be reached on Monday-Friday from 8:00 a.m. to 4:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas E. Denion, can be reach on (571) 272-4859. The fax phone numbers for the organization where this application or proceeding is assigned are (571) 273-8300 for regular communications and for After Final communications.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

BT
January 19, 2007



Binh Q. Tran
Patent Examiner
Art Unit 3748